

ABSTRACT OF THE DISCLOSURE

It is an object of the invention to provide a sonic- or ultrasonic flowmeter, suitable for replacement of differential pressure flowmeters, comprising: a pipe
5 segment (27, 61), to be connected to a first and a second pipe (17, 19), each having a diameter, which complies to an industry standard for pipe diameters used in differential pressure flow measurement, having a length (L), which is equal to a standard length for a flow restricting element of a differential
10 pressure flowmeter, having a diameter (D), which is equal to a standard for pipe diameters used in differential pressure flow measurement, comprising a first standard connector (29) located on a first end of the pipe segment (27, 61) and a second standard connector (31) located on a second end of the pipe segment (27, 61), a primary flow sensor, comprising at least one sonic- or ultrasonic
15 transducer (35) for transmission and/or reception of sonic- or ultrasonic signals (39) through the pipe segment (27, 61), mounted on the pipe segment (27, 61), and a sensor electronic (41) for providing a measurement signal representing a flow of a fluid through the pipe segment (27, 61), based on signals received by the sonic- or ultrasonic transducers (35). (Fig. 4)